

## Electronic Acknowledgement Receipt

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| <b>EFS ID:</b>                              | 5722264  |
| <b>Application Number:</b>                  | 10674848   |
| <b>International Application Number:</b>    |  |
| <b>Confirmation Number:</b>                 | 4454   |
| <b>Title of Invention:</b>                  | METHOD OF INTERMEDIATING MULTICASTING SIGNAL FOR MULTICASTING EMBODIMENT |
| <b>First Named Inventor/Applicant Name:</b> | Yong-Hwa Kim   |
| <b>Customer Number:</b>                     | 20995  |
| <b>Filer:</b>                               | Mincheol Kim/Lori Larson   |
| <b>Filer Authorized By:</b>                 | Mincheol Kim   |
| <b>Attorney Docket Number:</b>              | HANYA1.001C1   |
| <b>Receipt Date:</b>                        | 17-JUL-2009  |
| <b>Filing Date:</b>                         | 29-SEP-2003  |
| <b>Time Stamp:</b>                          | 13:45:01   |
| <b>Application Type:</b>                    | Utility under 35 USC 111(a)  |

### Payment information:

|  |                               |
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| Submitted with Payment                   | yes                           |
| Payment Type                             | Credit Card                   |
| Payment was successfully received in RAM | \$1055                        |
| RAM confirmation Number                  | 8524                          |
| Deposit Account                          | 111410                        |
| Authorized User                          | KNOBBE MARTENS OLSON AND BEAR |

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

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**File Listing:**

| Document Number | Document Description        | File Name                | File Size(Bytes)/<br>Message Digest     | Multi Part /.zip | Pages (if appl.) |
|-----------------|-----------------------------|--------------------------|---|------------------|------------------|
| 1               | Issue Fee Payment (PTO-85B) | IssueFee-HANYA1001C1.pdf | 96845                                   | no               | 1                |
|                 |                             |                          | d30be13223508d453d8a10ee7fca203dd46d55e |                  |                  |

**Warnings:****Information:**

|   |                         |              |  |    |   |
|---|-------------------------|--------------|--|----|---|
| 2 | Fee Worksheet (PTO-875) | fee-info.pdf | 32110                                  | no | 2 |
|   |                         |              | 9c73726c081dd7752334c18cd29048a0a18ec7 |    |   |

**Warnings:****Information:**

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| <b>Total Files Size (in bytes):</b> | 128955 |
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**New Applications Under 35 U.S.C. 111**

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

**National Stage of an International Application under 35 U.S.C. 371**

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

**New International Application Filed with the USPTO as a Receiving Office**

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